

Standards & Regulations

Design Process 3

BSBCRT501A Originate and develop concepts

BSBDES502A Establish, negotiate and refine a design brief

Standards, regulations & guidelines

- Before developing a design, the designer must be aware of certain standards, regulations and guidelines pertaining to their project type in order to produce a design that is safe and law abiding.
- Complex projects often deal with the public and customers in some way, the design produced must ensure the safety of those customers whilst using the space.
- There must also be serious consideration given to the type of council applications required for your design to be constructed.
- The following is an insight into each authority to be considered.

BCA – What is the BCA?



- The Building Code of Australia (BCA) is Volumes One and Two of the National Construction Code (NCC).
- The BCA is produced and maintained by the Australian Building Codes Board (ABCB) on behalf of the Australian Government and State and Territory Governments.
- The BCA has been given the status of building regulation by all States and Territories.

BCA – The BCA goal?



- The goal of the BCA is to enable the achievement of nationally consistent, minimum necessary standards of relevant safety (including structural safety and safety from fire), health, amenity and sustainability objectives efficiently.
- This goal is applied so:
 - there is a rigorously tested rationale for the regulation;
 - the regulation generates benefits to society greater than the costs (that is, net benefits);
 - the competitive effects of the regulation have been considered and the regulation is no more restrictive than necessary in the public interest; and
 - there is no regulatory or non-regulatory alternative that would generate higher net benefits.

BCA – What does the BCA cover?



- The BCA contains technical provisions for the design and construction of buildings and other structures, covering such matters as structure, fire resistance, access and egress, services and equipment, and energy efficiency as well as certain aspects of health and amenity.
- Refer to The Building Code of Australia website for more information.
- The NCC is available free online – register at:

<http://services.abcb.gov.au/NCCOnline/Account/Register> *(this address is included on the Standards and Regulations Template)*

BCA – Fast Eddie's Activity



Access the BCA online via the website link on the previous slide. Explore the website and ascertain the following:

- What volume of the NCC is applicable to the Fast Eddie's project?
- What is the Classification of the Fast Eddie's building?
- What are the waterproofing requirements for the basins to be used in the space?

- Standards are published documents setting out specifications and procedures designed to ensure products, services and systems are safe, reliable and consistently perform the way they were intended to.
- They establish a common language which defines quality and safety criteria. Standards can be guidance documents including:
 - Australian Standards®;
 - International Standards and Joint Standards;
 - Codes;
 - Specifications;
 - Handbooks; and
 - Guidelines

- These documents are practical and don't set impossible goals.
- They are based on sound industrial, scientific and consumer experience and are constantly reviewed to ensure they keep pace with new technologies.
- They cover everything from consumer products and services, construction, engineering, business, information technology, human services to energy and water utilities, the environment and much more.
- Refer to the Australian Standards website for more information.

<http://www.standards.org.au/Pages/default.aspx> (*this address is included on the Standards and Regulations Template*)

WHS – Workplace Health & Safety

- WHS is all about creating a safe work environment is critical to the success of any business, therefore WHS regulations in each state need to be considered to produce an abiding and safe design.
- As a business owner, your client has responsibilities regarding health and safety in their workplace, therefore the person designing it has this responsibility also.
- In Victoria, The *Occupational Health and Safety Act 2004* is the cornerstone of legislative and administrative measures to improve occupational health and safety.
- The *Workplace Amenities and Work Environment – Compliance Code* covers the provision of workplace amenities and facilities for the working environment in all workplaces other than construction workplaces.
- A copy of the Compliance Code has been uploaded to:

Fast Eddie's website / **Brief Analysis** page/ **Research** heading

- Further information is available at:

<http://www.worksafe.vic.gov.au/laws-and-regulations/occupational-health-and-safety>

Local Council

- The local council of the project location will need to be considered as each council has their own set of regulation and licenses.
- These can include:
 - Development Applications
 - Building Approvals
 - Planning Approvals
 - Zoning Applications
 - Signage Applications
 - Footpath Dining Applications
 - Criteria for each type of business premise

Other authorities and utilities

- Water
- Power – gas, electricity
- Telephone, internet

There is a comprehensive *Guide to Standards – Building and Construction* document available on the website at:

Fast Eddie's website / **Brief Analysis** page/ **Research** heading